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Datasheet for ABIN7318802

Aminoacylase 3 Protein (ACY3) (His tag)

Overview

Quantity:	50 µg
Target:	Aminoacylase 3 (ACY3)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Aminoacylase 3 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human ACY3 Protein (His Tag)
Sequence:	Met 1-Ser319
Characteristics:	Recombinant Human N-acyl-aromatic-L-amino acid amidohydrolase is produced by our E.coli expression system and the target gene encoding Met1-Ser319 is expressed with a 6His tag at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Aminoacylase 3 (ACY3)
Alternative Name:	ACY3 (ACY3 Products)
Background:	Background: Aspartoacylase 3, also known as ACY3, N-acyl-aromatic-L-amino acid amidohydrolase (carboxylate-forming), Acylase III, Aminoacylase-3, Aspartoacylase-2,

Target Details

Aspartoacylase-2, HCV core-binding protein 1 and ASPA2, is a member of the Aspartoacylase subfamily. ACY3 plays an important role in deacetylating mercapturic acids in kidney proximal tubules and acts on N-acetyl-aromatic amino acids. ACY3 is located in the cytoplasm of S2 and S3 proximal tubules and the apical domain of S1 proximal tubules. ACY3 protein is also expressed at low levels in stomach, testis, heart, brain, lung and liver, and may function as an HCV (Hepatitis C virus) core binding protein.

Synonym: N-acyl-aromatic-L-amino acid amidohydrolase (carboxylate-forming), ACY3, Acylase III, Aminoacylase-3, ACY-3, Aspartoacylase-2, Hepatitis C virus core-binding protein 1, HCBP1, HCV core-binding protein 1, ASPA2, ACY3

Molecular Weight:	37.4 kDa
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UniProt:	Q96HD9
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Application Details

Restrictions:	For Research Use only
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Handling

Format:	Frozen, Liquid
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Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM Tris, 100 mM NaCl, 1 mM DTT, 10 % Glycerol, pH 8.0.
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Storage:	-20 °C
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Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
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